Product Evaluation

The following product has been evaluated for compliance with the wind loads specified in the International Residential Code (IRC) and the International Building Code (IBC).

This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.

This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code, and the Texas Engineering Practice Act.

For more information, contact TDI Engineering Services Program at (800) 248-6032.

Evaluation ID: WIN-2160

Effective Date: November 1, 2016
Re-evaluation Date: March 2017

Product Name: Series 43-17 Vinyl Single Hung Tilt Windows, Fin and Finless Mount, Non-Impact Resistant

Manufacturer: Simonton Building Products, Inc.
3948 Townsfair Way Suite 200
Columbus, Ohio 43219
(800) 426-2249

Marketed By: ProFinish Builder
ProFinish Contractor
ProFinish Master
Vantage Pointe 6060
Grand Estates New Construction

General Description: Series 43-17 Unreinforced Frame Option

System	Description	Label Rating	Design Pressure Rating
1	43-17 Vinyl Single Hung; Tilt; Unreinforced; Fin-Mounted; O/X	R-PG35 44 x 63-H	+35 / -35 psf
2	43-17 Vinyl Single Hung; Twin; Tilt; Unreinforced; Fin-Mounted; O/X.O/X	R PG35 73 x 63-H	+35 / -35 psf
3	43-17 Vinyl Single Hung; Twin; Tilt; Unreinforced With an Unreinforced Integral Mullion; Fin-Mounted; O/X.O/X	R-PG30 89 x 63-H	+30 / -30 psf
4	43-17 Vinyl Single Hung; Triple; Tilt; Unreinforced Windows with a Steel-Reinforced Integral Mullion; Installation into CMU and Wood Framing, Finless Mount; O/X.O/X.O/X	R PG35 109 x 63-H (MULL)	+35 / -35 psf

General Description: Series 43-17 with Steel-Reinforced Frame Option

System	Description	Label Rating	Design Pressure Rating
5	43-17 Vinyl Single Hung; Tilt; E9 Steel-Reinforced Operable Sash and Fixed Meeting Rail; Fin-Mounted O/X	LC-PG50 36 x 76-H	+50 / -50 psf
6	43-17 Vinyl Single Hung; Tilt; E2 Steel-Reinforced Meeting Rails; Fin-Mounted; O/X	R-PG50 36 x 96-H	+50 / -50 psf
7	43-17 Vinyl Single Hung; Twin; Tilt; E8 Steel Reinforced Operable Sash and Integral Mullion; Installation into CMU and Wood Framing, Fin and Finless Mount; O/X.O/X	R-PG45 73 x74-H (REINF)	+45 / -45 psf

General Description: Series 43-17 with Aluminum-Reinforced Frame Option

System	Description	Label Rating	Design Pressure Rating
8	43-17 Vinyl Single Hung; Tilt; A7 Aluminum-Reinforced Operable Sash stiles and lock rails; Fin-Mounted; O/X	LC PG25 48 x 80-H	+25 / -25 psf
9	43-17 Vinyl Single Hung; 60/40 Oriel; Tilt; A9 Aluminum-Reinforced Operable Sash and Fixed Meeting Rail; Fin-Mounted; O/X	R PG25 48 X 80-H	+25 / -25 psf

Product Dimensions:

System	Overall Size	Operable Sash Size	Fixed Sash Daylight Opening Size
1	44" x 63"	41-7/8" x 30-3/8"	38-7/8" x 27-1/2"
2	73" x 63"	Two: 34" x 30-3/8"	Two: 31-3/8" x 27-1/2"
3	89" x 63"	Two: 42" x 30-3/8"	Two: 39-1/8" x 27-1/2"
4	109" x 63"	Three: 33-3/4" x 30-3/8"	Three: 30-3/4" x 27-1/2"
5	36" x 76"	33-7/8" x 36-7/8"	30-7/8" x 34"
6	36" x 96"	33-3/4" x 27-3/4"	30-7/8" x 63-1/8"
7	73" x 74"	Two: 34" x 35-7/8"	Two: 31-1/8" x 33"
8	48" x 80"	45-7/8" x 38-7/8"	42-7/8" x 36"
9	48" x 80"	45-3/4" x 31"	42-7/8" x 43-3/4"

Product Identification (Certification Label on Window):

System		
1, 5, 8	Certification Agency	AAMA
	Manufacturer's Name or Code Name	SIM-1 or SIM-2
	Product Name	43-17 SH
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08
6, 9	Certification Agency	AAMA
	Manufacturer's Name or Code Name	SIM-1 or SIM-2
	Product Name	43-17 SH (FIN)
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08

Product Identification (Certification Label on Window) Continued:

System		
2, 3, 7	Certification Agency	AAMA
	Manufacturer's Name or Code Name	SIM-1 or SIM-2
	Product Name	43-17 SH TWIN (T-MULL)
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08
4	Certification Agency	AAMA
	Manufacturer's Name or Code Name	SIM-1 or SIM-2
	Product Name	43-17 SH TRIPLE (T-MULL)
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08

Impact Resistance:

System	Impact Resistant	Requirement
1 - 9	No	Provide an impact protective system when installing the product in areas that require windborne debris protection.

Installation:

System		
1, 2, 3, 5, 6, 7, 8, 9	Type of Installation	New Construction – Nail Fin
	Wall Framing	Spruce-Pine-Fir dimension lumber
	Fasteners	Minimum No. 6 x 1-5/8" steel screws
	Fastener Location/Spacing	Set fasteners through the nail fin corners and at 8" on center around the perimeter of the window into the wood framing.
	Fastener Penetration	Minimum 1-1/2" penetration into the wall framing
4, 7	Type of Installation	New or Replacement Construction – CMU Block
	Wall Framing	Solid or Grout-Filled Concrete Block with 1x6 pressure-treated lumber between the block and the window frame
	Fasteners	Minimum 3/16" x 2-3/4" Tapcon Screws
	Fastener Location/Spacing	Set two fasteners through each jamb, through the 1x6 lumber, at approximately 6" from each corner into the concrete block.
	Fastener Penetration	Minimum 1-1/2" penetration into the concrete block
4, 7	Type of Installation	Replacement Construction – Wood Frame
	Wall Framing	Spruce-Pine-Fir dimension lumber
	Fasteners	Minimum No. 8 x 2-1/2" steel screws
	Fastener Location/Spacing	Set two fasteners through each jamb at approximately 6" from each corner into the wood framing.
	Fastener Penetration	Minimum 1-1/2" penetration into the wall framing

Note: Keep the manufacturer's installation instructions available on the job site during installation. Use corrosion resistant fasteners as specified in the IRC, the IBC, and the Texas Revisions.